

IN THE CLAIMS:

Please amend claim 12 as follows:

1. (Previously Presented) A display control apparatus connectable to a WWW server, comprising:

a memory;

a browser to request image information related to screens on which information is input and a display control program from the WWW server and to download the image information and the display control program;

a display control part configured to generate a plurality of control blocks that are separate from the browser based on the display control program which is downloaded by the browser, each of said control blocks itself having a function of requesting and downloading the image information and the display control program from the WWW server and developing the screens in said memory based on the image information which is downloaded by the control block itself; and

a display part configured to display a screen developed in said memory and corresponding to a business which is selected from another screen which is being displayed.

2. (Previously Presented) The display control apparatus as claimed in claim 1, further comprising:

an applet part configured to display a list of businesses based on information which is downloaded by the browser,

said display part displaying a screen developed in said memory and corresponding to a business which is selected from the list.

3. (Previously Presented) The display control apparatus as claimed in claim 1, wherein said control blocks include an ID for specifying one of a display of a screen, non-display of a screen which is being displayed, and non-display of the screen which is being displayed and display of another screen.

4. (Previously Presented) The display control apparatus as claimed in claim 1, wherein said image information includes generation timing information which indicates a timing with which the screen is to be developed in said memory.

5. (Previously Presented) The display control apparatus as claimed in claim 1, wherein said image information includes deletion timing information which indicates a timing with which the screen developed in said memory is to be deleted.

6. (Previously Presented) The display control apparatus as claimed in claim 1, wherein a first control block corresponds to a first screen on which information is

input, a second control block corresponds to a second screen on which information is input, said second screen is different from said first screen, and said first and second control blocks exchange the information of the first screen and data of the second screen.

7. (Cancelled)

8. (Previously Presented) A computer-readable storage medium which stores a computer program for causing a computer, which includes a memory and a browser which is configured to make access to a WWW server to download image information related to screens on which information is input and a display control program, to control display, said computer program comprising:

a display control procedure to cause the computer to generate a plurality of control blocks that are separate from the browser based on the display control program which is downloaded from the WWW server by the browser, each of said control blocks itself having a function of requesting and downloading the image information and the display control program from the WWW server and causing the computer to develop screens in said memory based on the image information which is downloaded from the WWW server by the control block itself; and

a display procedure to cause the computer to display a screen developed in said memory and corresponding to a business which is selected from another screen which is being displayed.

9. (Previously Presented) The storage medium as claimed in claim 8, wherein the computer program further comprises:

an applet procedure to cause the computer to display a list of businesses based on information which is downloaded from the WWW server by the browser,

said display procedure causing the computer to display a screen developed in said memory and corresponding to a business which is selected from the list.

10. (Previously Presented) The storage medium as claimed in claim 8, wherein a first control block corresponding to a first screen and a second control block corresponding to a second screen which is different from said first screen cause the computer to exchange data of the first screen and data of the second screen.

11. (Previously Presented) A business processing system which carries out business by linking to a network, comprising:

a WWW server comprising a sending section configured to send a business processing program to a WWW client in response to a request from the WWW client, said

business processing program comprising an image control procedure to cause the WWW client to generate image information storage means, output control means and control means based on image information related to screens on which information is input, said image information storage means causing the WWW client to store in a memory thereof the image information including generation timing information which indicates a timing with which a screen is to be developed in the memory and deletion timing information which indicates a timing with which a developed screen in the memory is to be deleted, said control means causing the WWW client to refer to the image information in the memory in order to generate or delete the screen and to control switching of the screens, said output control means causing the WWW client to output a screen corresponding to a business if the screen corresponding to the business exists in the memory and to request the screen corresponding to the business to the WWW server and to download the screen corresponding to the business if the screen corresponding to the business does not exist in the memory; and

the WWW client, coupled to the WWW server, comprising a receiving section to receive the business processing program sent from the sending section of the WWW server, and an executing section to execute the business processing program.

12. (Currently Amended) A business processing system which carries out business by linking to a network, comprising:

a WWW server comprising a sending configured section to send a business processing program to a WWW client in response to a request from the WWW client, said business processing program comprising an image control procedure to cause the WWW client to generate image information storage means, image check means, output control means and control means based on image information related to screens on which information is input, said image information storage means causing the WWW client to store in a memory thereof image information including image ID information which indicates an ID of a screen to be generated, generation timing information which indicates a timing with which the screen is to be developed in the memory, deletion timing information which indicates a timing with which a developed screen in the memory is to be deleted from the memory and data region information to set data of a user, said image check means causing the WWW client to refer to the image information in the memory and to check whether a screen corresponding to a business input by the user exists in the memory, said output control means causing the WWW client to output the screen corresponding to the business if the screen corresponding to the business exists in the memory and to request the screen corresponding to the business to the WWW server and download the screen corresponding to the business if the screen corresponding to the business does not exist in the memory, said control means causing the WWW client to delete the screen in the memory depending on a number of screens managed in the memory; and

the WWW client, coupled to the WWW server; comprising a receiving section to receive the business processing program sent from the sending section of the WWW server, and an executing section to execute the business processing program.

13. (Previously Presented) A WWW server connectable via a network to a WWW client which carries out business processing, comprising:

a receiving section configured to receive a request from the WWW client via the network; and

a sending section configured to send business processing program to the WWW client via the network in response to the request from the WWW client,

said business processing program comprising:

an image information storage procedure to cause the WWW client to store in a memory thereof image information related to screens on which information is input and including generation timing information which indicates a timing with which a screen is to be developed in the memory and deletion timing information which indicates a timing with which a developed screen in the memory is to be deleted from the memory;

an output control procedure to cause the WWW client to output a screen corresponding to a business if the screen corresponding to the business exists in the memory and to request the screen corresponding to the business to the WWW server and to download

the screen corresponding to the business if the screen corresponding to the business does not exist in the memory; and

a control procedure to cause the WWW client to refer to the image information in the memory in order to generate or delete the screen and to control switching of the image.

14. (Previously Presented) A computer-readable storage medium which stores a business processing program for causing a WWW client to carry out a business by linking with a WWW server via a network, said business processing program comprising:

an image control procedure to cause the WWW client to generate image information storage means, output control means and control means based on image information related to screens on which information is input,

said image information storage means causing the WWW client to store in a memory thereof image information including generation timing information which indicates a timing with which a screen is to be developed in the memory and deletion timing information which indicates a timing with which a developed screen in the memory is to be deleted from the memory,

said output control means causing the WWW client to output a screen corresponding to a business if the screen corresponding to the business exists in the memory and to request the screen corresponding to the business to the WWW server and to download



the screen corresponding to the business if the screen corresponding to the business does not exist in the memory;

said control means causing the WWW client to refer to the image information in the memory in order to generate or delete the screen to control switching of the screens.

15. (Previously Presented) A computer-readable storage medium which stores a business processing program for causing a WWW client to carry out a business by linking with a WWW server via a network, said business processing program comprising:

an image control procedure to cause the WWW client to generate image information storage means, image check means, output control means and control means based on image information related to screens on which information is input,

said image information storage means causing the WWW client to store in a memory thereof image information including image ID information which indicates an ID of a screen to be generated, generation timing information which indicates a timing with which the screen is to be developed in the memory, deletion timing information which indicates a timing with which a developed screen in the memory is to be deleted from the memory and data region information to set data of a user,

said image check means causing the WWW client to refer to the image information in the memory and to check whether and image corresponding to a business input by the user exists in the memory,

said output control means causing the WWW client to output the screen corresponding to the business if the screen corresponding to the business exists in the memory and to request the screen corresponding to the business to the WWW server and download the screen corresponding to the business if the screen corresponding to the business does not exist in the memory,

said control means causing the WWW client to delete the screen in the memory depending on a number of screens managed in the memory.

16. (Previously Presented) A business processing method for carrying out a business in a WWW client by linking with a WWW server via a network, said business processing method comprising the steps of:

(a) requesting image information related to screens and a program from the WWW server;

(b) storing in a memory of the WWW client the image information including generation timing information which indicates a timing with which a screen, on which information is input, is to be developed in the memory and deletion timing information which indicates a timing with which a developed screen in the memory is to be deleted from the memory;

(c) outputting a screen corresponding to a business if the screen corresponding to the business exists in the memory and requesting the screen corresponding to the business

to the WWW server and downloading the screen corresponding to the business if the screen corresponding to the business does not exist in the memory; and

(d) referring to the image information in the memory in order to generate or delete the screen and to control switching of the screens.

17. (Previously Presented) A business processing method for carrying out a business in a WWW client by linking with a WWW server via a network, said business processing method comprising the steps of:

(a) requesting image information related to screens and a program from the WWW server;

(b) storing in a memory of the WWW client image information including image ID information which indicates an ID of a screen on which information is input and which screen is to be generated, generation timing information which indicates a timing with which the screen is to be developed in the memory, deletion timing information which indicates a timing with which a developed screen in the memory is to be deleted from the memory, and data region information to set data of a user;

(c) referring to the image information in the memory to check whether a screen corresponding to the business input by the user exists in the memory;

(d) outputting the screen corresponding to the business if the screen corresponding to the business exists in the memory, and requesting the screen corresponding

to the business from the WWW server and downloading the screen corresponding to the business if the screen corresponding to the business does not exist in the memory; and

(e) deleting the screen in the memory depending on a number of screens managed in the memory.

18. (Previously Presented) A display control method for controlling display of screens in a client which has a memory, comprising the step of:

requesting image information related to screens on which information is input and a display control program to a server and downloading the image information and the display control program by a browser;

generating a plurality of control blocks that are separate from the browser based on the display control program which is downloaded by the browser, each of said control blocks itself having a function of requesting and downloading the image information and the display control program from the server and developing screens in the memory based on the image information which is downloaded by the control block itself; and

displaying a screen developed in the memory and corresponding to a business which is selected from a business list which is being displayed.

19. (Previously Presented) The display control method as described in claim 18, wherein said generating step generates a first control block corresponding to a first

screen and a second control block corresponding to a second screen which is different from the first screen, said first control block and said second control block exchanging data of the first screen and data of the second screen.